CELESTION

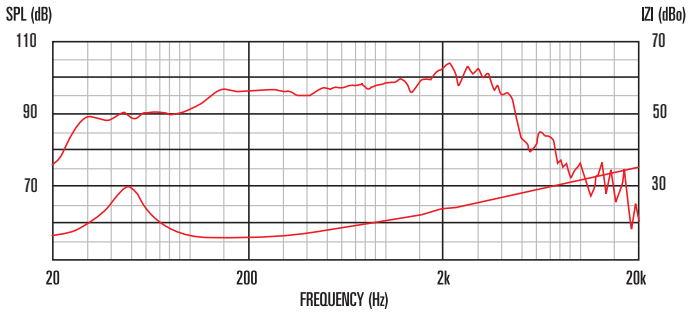
TF1520

Ferrite magnet steel chassis driver

Features

- **Versatile 15" bass and mid-range driver providing 96dB sensitivity and 150Wrms (AES standard) power handling**
- **2" high temperature copper voice coil wound on polyimide for increased reliability**
- **Ideal for 2-way and 3-way systems**
- **Kevlar-loaded cone with sealed surround and damping for reduced distortion**
- **Rigid chassis design for maximum energy transfer**
- **Vented magnet assembly for enhanced cooling**

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.
2. Measured on axis at 1W, 1m in 2π anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

Also available in 4Ω, data available on request

General Specifications

Nominal diameter	381mm/15in
Power rating[1]	150Wrms
Nominal impedance	8Ω
Sensitivity[2]	96dB
Frequency range	45-4000Hz
Voice coil diameter	50mm/2in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.1kg/40oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax[3]	3mm/0.12in
Gap depth	8mm/0.24in
Voice coil winding width	14.5mm/0.57in

Small Signal Parameters

D	0.33m/12.99in
Fs	51.7Hz
Mms	62.33g/2.2oz
Mmd	48.18g/1.7oz
Qms	6.69
Qes	0.85
Qts	0.75
Re	5.95Ω
Vas	157.69lt/5.57ft^3
Bl	11.93Tm
Cms	0.15mm/N
Rms	3.03kg/s
Le (at 1kHz)	1.41mH

Mounting Information

Overall diameter	385mm/15.16in
Overall depth	158mm/6.22in
Cut-out diameter	352mm/13.86in
Mounting slot dimensions	9.4mm x 6.3mm/0.37in x 0.25in
Number of mounting slots	8
Mounting PCD range	370mm/14.57in
Unit weight	5.0kg/11.0lb

Packed Dimensions & Weight

Single pack size W x D x H	410mm x 410mm x 180mm /16.1in x 16.1in x 7.1in
Single pack weight	5.5kg/12.1
Multi pack (4) size W x D x H	750mm x 340mm x 440mm /29.5in x 13.4in x 17.3in
Multi pack (4) weight	22kg/48lb